

RFP # NNG15499033R

TECHNOLOGY AND INTEGRATED DISCIPLINE ENGINEERING SERVICES
(TIDES)

SAMPLE PROBLEM

The plumbing lines on a hydrazine propulsion system of a Class C mission were slightly bent while moving it from a dolly to a tilt table. Two lines were damaged when the lines inadvertently contacted a dolly stanchion. Although the bent portion of the lines is between two standoffs which appear to be unharmed, the full extent of damage is unknown. The government has assigned a mishap investigation board to determine root cause.

This mishap occurred immediately after successfully completing the subsystem proof test. No leak or functional testing has been performed since the accident. The propulsion module is scheduled to be integrated with the spacecraft in two months for the start of observatory-level environmental testing.